

2003 PARTICLE ACCELERATOR CONFERENCE

May 12-16 Portland Oregon

The 2003 Particle Accelerator Conference (PAC2003) will take place on May 12-16, 2003, at the Hilton Portland in Portland, Oregon. The conference will cover new developments in all aspects of the science, technology, and the use of accelerators. It will also provide a communication channel for accelerator scientists and engineers and for those interested in the applications of accelerators. The conference is open to the public and all individuals with an interest in particle accelerators are invited to register and attend.

This is the 20th biennial conference in the series and is organized under the joint auspices of the Institute of Electrical and Electronic Engineers (IEEE) through its Nuclear and Plasma Science Society (NPSS) and the American Physical Society (APS) through its Division of Physics of Beams (DPB). The conference also serves as the annual meeting of the DPB. The hosting institutions are Stanford Linear Accelerator Center (SLAC) and Lawrence Berkeley National Laboratory (LBNL). The conference is supported in part by the U.S. Department of Energy, the National Science Foundation and the Office of Naval Research. Industrial sponsors include Bergoz Instrumentation, Danfysik, GMW Associates, and Wah Chang, an Allegheny Technologies Company.

The Conference Chairman is Robert. H. Siemann of SLAC. The PAC2003 Program Committee, chaired by Ed Lee of LBNL, has already structured the conference program. Program, publication instructions and all other relevant information is available on the conference website at <http://www-conf.slac.stanford.edu/PAC03/>.

Additional information can be obtained from the Conference Coordinator:

Robert H. Siemann
Conference
Chairman

Maura Chatwell,

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The deadline for abstract submission has passed. The Proceedings, which are being edited by Joe Chew, will be published as an IEEE Conference Record and will be available in hardcopy or as a CD. All abstract and paper submission should be through the Web upload system, however, authors are also required to bring a hardcopy to the conference.

To register for PAC2003, please complete the on-line registration form at the website. The registration fee of U.S. \$450.00 (\$350.00 for those who register and pay before April 10, 2003) supports the conference almost entirely. This fee covers participation in the conference sessions, the welcome reception, the awards ceremony and coffee breaks. It also includes a copy of the Proceedings of the conference in CD form. Student and retiree registration is \$100. The registration fee does not cover the banquet. Companion tours will be available; a companion-tour registration form can be obtained from the web site.

Technical Program

The organization of the technical program is similar to previous conferences in this series with plenary sessions on Monday morning and Friday afternoon. The opening

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plenary session will feature talks by **S. Mishra**, FNAL on High Luminosity Operation of the Tevatron, **P.W. Schmor**, TRIUMF on Recently Commissioned and Future Radioactive Ion Beam Facilities, **N. Holtkamp**, ORNL on Status of the Spallation Neutron Source and **G. Dugan**, Cornell on Technology Options for Linear Colliders. The closing plenary session talks will include **R. Orbach**, DOE on Prospects for a Physical Science Renaissance, **D. Prosnitz**, LLNL on Roles for Accelerator Technology in Homeland Security, **C.V. Shank**, LBNL on Opportunities for Accelerators in Nanoscience and **Y. Petroff**, ESRF on Evolution of Light Sources.

During the five-day period there will be 21 oral sessions with 81 invited speakers and selected contributed papers. Eight poster sessions sized to accommodate more than 1000 posters are scheduled. Accelerator systems are categorized by sessions on Low & Medium Energy Accelerators, Hadron Accelerators and Colliders, Lepton Accelerators and Colliders, Linear Colliders, Light Sources, FELs and ERLs, Secondary Beam Factories, Advanced Concepts and Extreme Beams. Sessions on Single Particle Beam Dynamics and Optics, Multi-Particle Beam Dynamics, Two-Stream Interactions and Collective Processes, and Instabilities and Feedback have been assigned. In addition there are specific sessions on Sources and Injectors, Magnets, Controls and Computing, Instrumentation, Radio Frequency Systems, Accelerator Technology, Pulsed Power and High Intensity Beams, and the Applications of Accelerators.

Industrial Exhibition

An industrial exhibition of about 40 booths, situated adjacent to the poster area, where companies can advertise their products and expertise, will be open from noon to 5:00 p.m. on Monday and 9:00 a.m. to 5:00 p.m. on Tuesday and Wednesday. The cost of a 10 foot by 10 foot booth is \$2000.00 (U.S.). This fee includes one full conference registration, a CD copy of the proceedings and attendance at the reception. An online registration form is available on the conference website. Sponsorship opportunities for the reception, refreshments and supplies are also available to organizations. These are listed on the website and will be fully acknowledged at the conference and in the conference program. Further information on exhibiting or sponsorship can be obtained by

contacting Adrienne Higashi at ahigashi@SLAC.Stanford.edu.

Accommodations

Approximately 1200 participants have attended the last few meetings in the series and similar numbers are anticipated for PAC2003 in Portland. A block of rooms at the Portland Hilton has been reserved at the conference rate of \$139.00/night, single or double occupancy. Due to the limited availability of rooms, attendees are strongly urged to reserve early, directly with the hotel. When making reservations, be sure to indicate attendance at PAC2003 in order to receive the conference room rate.

Companion Program

The conference has arranged a companion program. This begins on Monday morning with a Companion Get Acquainted Reception at the Portland Hilton that will include a continental breakfast. Prearranged tours depart Monday through Saturday mornings, returning late afternoon, and include specially selected lunch stops. They are being offered through "RAZ", a private company. In daily order, the six tours and their costs are: Portland City Tour (\$59.00), Columbia Gorge Tour (\$55.00), Oregon Garden and Aurora (\$55.00), North Coast Tour (\$60.00), Woodburn Shopping Tour (\$33.00), Columbia Gorge Tour (\$55.00). If planning on joining any of these tours, please print and complete the PAC03 Companion Tour Registration Form and submit directly to RAZ before the April 28, 2003 deadline.

Other Information

The conference banquet will be held at 7 PM on Thursday, May 15, 2003. Banquet tickets will cost \$70.00 and reservations are required since seating is limited.

The Awards Reception and Ceremony will be held on Wednesday, May 14 at 4 PM to present the following 2003 awards and prizes:

- APS Robert R. Wilson Prize
- APS Award for Outstanding Doctoral Thesis Research in Beam Physics
- Student Travel Awards Honoring Lou Costrell and Mel Month
- Particle Accelerator Science & Technology Awards
- U.S. Particle Accelerator School Prize for Achievement in Accelerator Physics & Technology

Newly Elected Fellows of the APS
Newly Elected Fellows of the IEEE

Conference attendees will have access to Internet-connected computers and printers plus network connections for laptop computers. This facility allows uploading and management of manuscripts as well as reading and sending of e-mail and other miscellaneous per-

sonal computing tasks. Ethernet is also available in guest rooms at the Hilton Portland.

Historical weather data show that in Portland in mid-May we can expect lows in the mid 40s and highs in the mid 60s F (8-18 C) with a chance for rain. See for instance www.pova.com/visitors/weather.html

We look forward to seeing you in Portland in May!